

# Wideband Foldable LPDA Antenna

30 – 512 MHz

Product Code: LPDA-A0165

VERSION: 1.1

## SPECIFICATIONS:

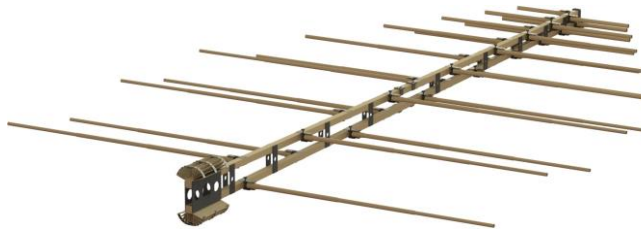


Figure 1: Antenna in deployed configuration



Figure 2: Antenna in stowed configuration

| <b>Electrical:</b>  |   |
|---|---|
| Frequency range   | 30 – 512 MHz  |
| VSWR  | < 2.5:1   |
| Nominal input impedance   | 50 Ω  |
| Connector   | 7/16 female   |
| Feed power handling   | 1000 W  |
| Gain  | 7 dBi typical   |
| Polarisation  | Adjustable (vertical or horizontal)   |
| <b>Mechanical:</b>  |   |
| Dimensions (deployed)   | 5010 mm x 550 mm x 5350 mm  |
| Dimensions (stowed)   | 5010 mm x 550 mm x 600 mm   |
| Total mass  | < 28 kg excl. isolation pole  |
| Mounting method   | On a swivel bracket fitted to the mast (requires isolation pole to change polarisation which is standard issue) |
| <b>Environmental: designed to meet the following specifications</b> |   |
| Wind survival   | 120 km/h  |
| Temperature (operational)   | -35 °C to 71 °C   |
| Temperature (storage)   | -35 °C to 71 °C   |
| Exposed materials   | Aluminium, stainless steel  |

## PRODUCT FEATURES:

- Quick deployment
- Compact storage
- Wideband
- Low and stable VSWR
- Vertical or horizontal polarisation

## PRODUCT DESCRIPTION:

The LPDA-A0165 is medium-gain wideband directional LPDA antenna and covers the frequency band from 30 MHz to 512 MHz.

This antenna has foldable elements which makes the antenna easy to stow and deploy. There are no loose parts and no tools required to deploy the antenna. This makes the antenna ideal for tactical applications as well as for use in harsh environments and installations where there is limited space for operators to manoeuvre.

All antenna elements are permanently attached to the boom, to prevent any parts from becoming lost in the field.